

Abstract of the Disclosure

The invention realizes high speed data transmission, as known from the Fast Ethernet, with fieldbus systems in the field of industrial automation. A suitable fieldbus
5 component includes a data link layer, which operates with a fieldbus protocol, and a physical layer, which is constituted for high speed data transmission. There are also provided an interface, which connects the data link layer and the physical layer, and a layer for matching the data link layer to the physical layer.

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